

[SENSING STRATEGY FOR DAMAGE MITIGATION IN COMPATABILITY SITUATIONS]

Abstract of Disclosure

A crash assessment and safety device activation system includes a target object potentially colliding with a host object in motion, is disclosed. A remote sensor is coupled to the host object and adapted to detect a target object within a region sensed thereby and generate an object signal from the target object. A visual sensor is adapted to sense the region sensed by the remote sensor and therefrom generate a visual signal. A safety device actuator is coupled to the host object and adapted to activate a safety device. A controller is attached to the host object, the remote sensor, the visual sensor and the safety device actuator. The control is adapted to assess collision threat from the remote sensor signal and confirm the presence of the target object with the vision sensor. The controller is further adapted to control the safety device actuator in response said threat assessment.

Figures